

COUNTRY U.S.S.R.

REPORT NO.

TOPIC Torpedo Factory No 175 in Alma Ata.

25X1A

25X1C

EVALUATION

PLACE OBTAINED Germany/

DATE OF CON

DATE OBTAIN

DATE PREPARED 18 July 1951

REFERENCES

PAGES 2 ENCLOSURES (NO. & TYPE) 1 - sketch on ditto

REMARKS

*RETURN TO CIA
LIBRARY*

25X1X

SOURCE

Alma Ata

1. Torpedo Factory No 175 was in Alma Ata ($43^{\circ}15'N/76^{\circ}56'E$), Kazakhstan S.S.R., a town of about 500,000 inhabitants. The plant was divided into three sections located in different parts of the town. *
2. The largest plant section was Section 1 which occupied an area of about 1,000 x 400 meters. Source inferred from the information of Soviet workers and from superficial observation that bombs and torpedoes were produced in this section. Section 2 of Plant No 175 produced accessories and tools for the manufacture of torpedoes and was housed in a three-story building. Section 3 of Plant No 175 was 2 to 3 km south of section 1 and covered an area of 100 x 100 meters, of which about one-third was developed. Source had no information concerning the production of this section. **

25X1A

Comment. For location of the three plant sections, see Annex. The railroad line does not run to Tashkent as indicated in item 1 of the annex. This is only a local branch line. The line to Tashkent passes through Alma Ata I.

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Comment. According to previous information, Plant No 175, which produced small torpedoes, was transferred in 1941 from Dzhety Oguz Tekmuk ($47^{\circ}16'N/35^{\circ}11'E$) to Plant No 162 in Nakhch Kala ($42^{\circ}53'N/47^{\circ}27'E$), which produced large torpedoes. In the fall of 1942, some of the installations from both plants were evacuated from Nakhch Kala and were set up at various locations in Alma Ata. Department No 1 which produced component parts and did assembly work, Department No 2 which was the pressing and punching section, the forge, and Department No 3 which produced bronze castings, were all housed in the streetcar terminal at the railroad station of Alma Ata II. Departments No 4 and 5, whose functions were unknown, were housed in two buildings of a former tobacco factory, about 1 km from the streetcar terminal. Department No 6 whose function was the final assembly and preliminary testing of torpedoes, was housed in the premises of a former printing shop near the railroad station. The construction of eight new buildings, including a compressor plant, was started at the time of the transfer of these two plants to Alma Ata.

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Although nothing was known regarding the individual operations of Plant No 175 and 182 during the period of their amalgamation, it was reported that the two plants were separately administered. It has been reported that torpedo production in Makhach Kala was resumed in 1947 and 1948 and it is therefore assumed that Plant No 182 was returned to its original site in Makhack Kala. It is also believed that Plant No 175 remained in Alma Ata with most of its installations being housed in the new buildings, next to the tobacco factory, which had been constructed in 1942 and 1943.

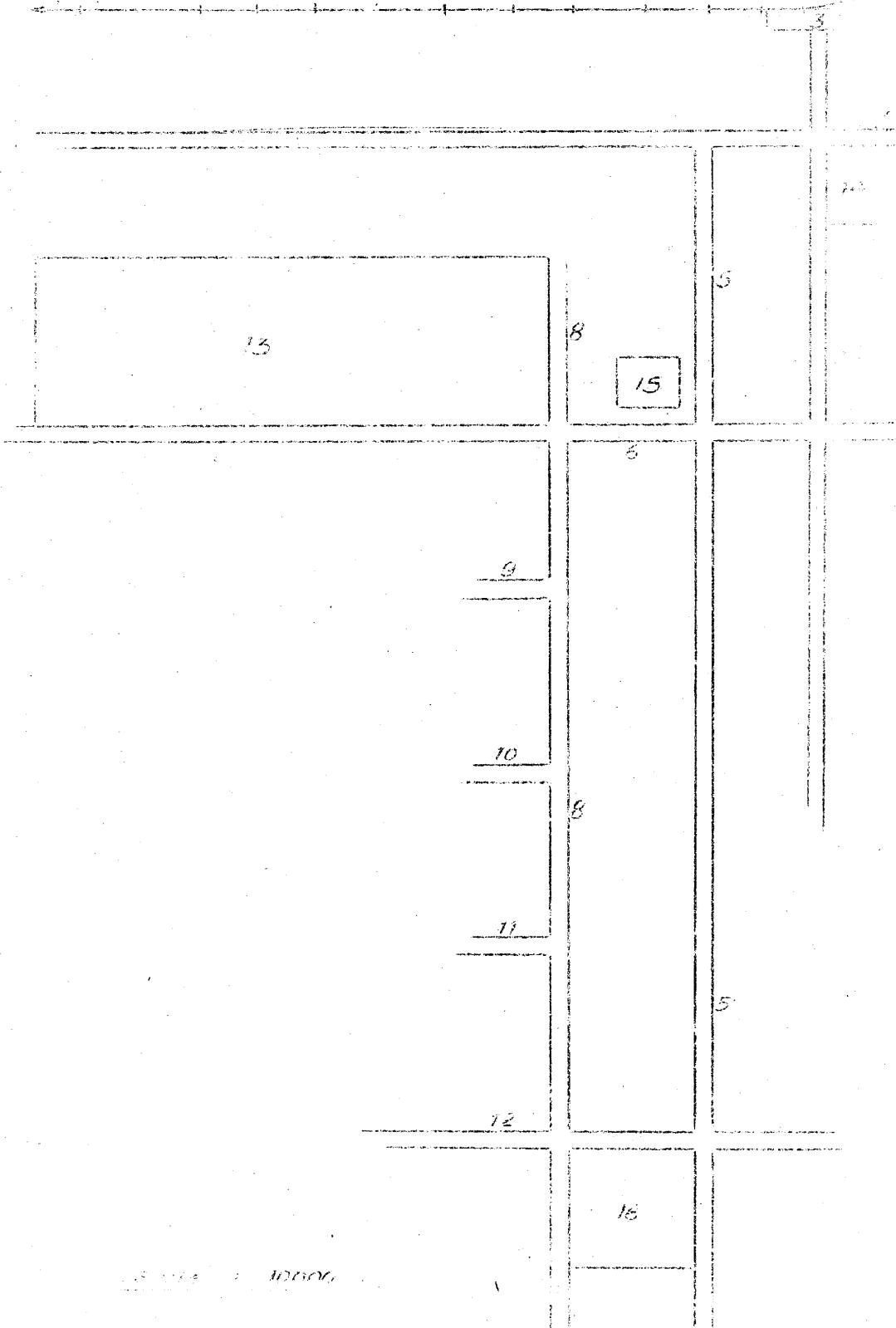
1. Annex: Sketch on ditto.

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25X1A

Location Sketch of Torpedo Factory No 175 in Alba Alta.

Annex p. 1



Legend: see next page.

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25X1A

CONFIDENTIAL-CONTROL/US OFFICIALS ONLY Annex

Legend

Annex A

1. Railroad line to Chirkent ($42^{\circ}20'N/69^{\circ}40'E$) and Tashkent ($41^{\circ}13'N/69^{\circ}15'E$).
2. Railroad line to Semipalatinsk ($50^{\circ}29'N/80^{\circ}23'E$).
3. Alma Ata II Railroad Station.
4. Tashkentskaya street.
5. Unbezskaya street.
6. Partera street.
7. Stalin street.
8. Third-line street.
9. Gogol street.
10. Street, not identified, with electric bus line.
11. Kalinin Street.
12. Street, not identified.
13. Plant No 175, Section 1.
14. Plant No 175, section 2.
15. Tobacco factory.
16. Plant No 175, section 3.

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COUNTRY: Soviet Union

REPORT NO.

TOPIC: Agricultural machine factory in TASHKENT

25X1A

25X1C

EVALUATION:

Germany

ADON 1 - 2 -

DATE OF CONTE

DATE OBTAINED

REARED 22 November 1944

REFERENCES

PAGES 2 ENCLOSURES (NO. & TYPE) 1 Blueprint

REMARKS

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25X1X

SOURCE

1. Location

The plant, Voroshilov Zavod, is located about 2,500 feet north east of the town border of TASHKENT ($69^{\circ}16' E/41^{\circ}17' N$). Uzbek S.S.R. A large Jewish cemetery is southeast of the plant.

2. Plant Installations

The plant covers an area of about 3,000x2,000 feet. The designation Voroshilovgrad Zavod and a three-digit number, starting with 7 and having a 2 as second or third digit, were inscribed above the entrance gate. According to Soviet statements, the plant was constructed during the war and the installations had been transferred from a plant in the western USSR. The unplastered buildings needed repair and were being provided with new rafters and roofing paper. No new constructions were observed. Machinery arrived continuously, most of it coming from the BERLIN area. The doors of the workshops had to be widened for the machinery installation. A railroad connection was available. Power was allegedly supplied by the BEGOVAT power plant. For plant layout see Annex.

3. Work Force

Three shifts with two thousand laborers, 50 percent of whom were women, and an additional four hundred P.W.s.

4. Production

a. Soviets stated that the wartime production was mortar shells, and shells with an estimated 5-inch caliber. Old empty shells were laying over all the plant area.

b. Production during the time of observation: Ploughs, cotton-plucking machines and mowing machines.

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25X1A

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25X1A

ANNEX # 2

Comment:

- a. This is the first information on the agricultural machine factory in TASHKENT. By its location, it might be identical to another plant for agricultural machines, formerly known as Selmash. Other records reported the last mentioned plant to be located 1,500 feet west of a cemetery, and a work force of about six thousand laborers in 1941. The information on present and wartime production agrees with the information received on the Selmash Plant production.
- b. The attached sketch is insufficient for pinpointing the plant on poor maps and town maps of TASHKENT. The location relative to the freight yard is doubted.
- c. Further information is required to determine the exact location and confirm the plant layout.

1 Annex: Plant for Agricultural Machines Voroshilov Zavod
TASHKENT.

COUNTRY Soviet Union

REPORT NO.

TOPIC UST-KAMENOGORSK Zinc Works and Power Plant

25X1A

25X1C

EVALUATION

Germany

25X3

DATE OF CONTE

DATE OBTAINED

PARED 6 January 1951

REFERENCES

PAGES 5

ENCLOSURES (NO. & TYPE) 4 Blueprints

REMARKS

25X1X

SOURCE

1. Location: The Zavod 10 zinc works are located northeast of UST-KAMENOGORSK ($82^{\circ}36' E/49^{\circ}46' N$), East Kazakhstan, west of the Ulba River and about 6/10 of a mile southeast of the Tupek railroad switch yard. For location see annex 1.

2. Plant installations: Zinc works and power plant cover an estimated area of 250 acres. The chief engineer said that plant construction was started in 1936. Four departments were completed by October 1948. The plant was being expanded. Operation of the new departments was delayed because of suspension of deliveries of machines from the United States.

The nearby power plant supplied electricity for the installation. For plant layout see Annex 2. In 1947 and 1948 Japanese PWs laid the foundation for a new zinc plant which will be located directly east of the plant reported on. This new plant will be called Zavod 11. The construction site for the new plant was larger than the area covered by Zavod 10. Soviets said that the plant will be equipped with machines from a zinc plant formerly located in MAGDEBURG. The machines were stored in the plant area east of the railroad tracks.

3. Employees:

a. Zinc works - about 2,000 workers, including 400 PWS, in three shifts.

b. Power plant: Three shifts of 450 workers, of whom 120 were PWS.

c. The number of laborers engaged in the construction of Zavod 11 was unknown.

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25X1A



b. Production:

Annex #3

- a. Zinc plant: Zinc bars.
- b. Department "ZOMO 4": Differentials, cog wheels, parts for frames, brake shoes, plant and milling equipment.
- c. Power plant capacity was 16,000 kw.

25X1A

Comment:

- a. It is known from 1941 records that a zinc and lead plant was located in UST-KALINOGORSK and that this plant produced from 50 to 80 tons of lead per day. The zinc plant was not in operation at that time.
- b. An earlier report (June 1949), the first information on the plant received after the war, mentioned the zinc plant for the first time. Source of this information reported the exact location of the plant ^{but} was unable to furnish other details.
- c. The location of the plant as stated here corresponds with information in a previous report.
- d. Attached sketch of the plant layout illustrates the zinc plant layout and the construction site of the new plant.
- e. It is assumed that the machinery intended for factory A was dismantled in the Gieseck firm plant in MAGDEBURG. Several reports on the dismantling of this firm are on file.

2 Annexes: 1. Zinc Works and Power Plant in UST-KALINOGORSK
2. Zinc Works and Power Plant in UST-KALINOGORSK

Legend to Annex 1:

- 1 "SHACHITA" railroad station
- 2 Repair shop and warehouses
- 3 Oil storage, at least ten sheet metal tanks, each 20 feet high and 25 feet in diameter
- 4 Two adjoining warehouses, each 300 feet long
- 5 Tupek railroad station
- 6 PW Camp No. 7045/I, with bakery and quarters for guards
- 7 Bath
- 8 "MPD" small metal plant
- 9 Power plant
- 10 Zevod 10 Zinc works
- 11 Garages and repair shops, erected 1947/1948
- 12 PW Camp No. 7045/II
- 13 Concrete mixing plant, manufacture of roofing slates
- 14 Local storage of construction material of the Sib-Spec-Stroi (Siberian special construction company)
- 15 Water works, brick building, underground connection to the power plant and to the zinc works

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Annex # 3

- 16 Gin factory
 17 Airfield with office building
 18 Railroad bridge over the Ulbar River, steel structure, concrete pillars. The bridge is about 1,200 to 1,500 feet long
 19 Lard factory ("Fettfabrik")
 20 Road bridge over the Ulba River, wooden structure, about 600 feet long
 21 Prison
 22 Harbor (on the Irtush River), constructed from 1945 to 1947 with modern piers, 6/10 of a mile long, cranes, conveyor belts and corrugated sheet metal shops. Depth of water about 20 feet
 23 Ferry
 24 Slaughterhouse

Legend to Annex 2

- A Zavod 10 zinc works
 1 Brick guard house at entrance
 2 Electrical repair shop, 60x30 feet brick building
 3 Laboratory, 200x60 feet, completed in 1948
 4 Two-story brick and concrete structure, 140x90 feet, housing:
 a Offices
 b Hammer forge of Department "OFTO 4" (OFTO)
 machine tool factory combine
 c lathe of Department "OFTO 4"
 d Supply storage
 e Brick building, 56-15 feet, sheet metal cutting plant
 f Transformer station, 30x30 feet, brick building
 5 Foundry, 180x15 feet, two-story brick structure
 6 Holding plant for automobile spare parts, 120x45 feet
 7 Model making carpenter shop, 180x34 feet
 8 Warehouse, storage of zinc bars, two-story brick building, 200x60 feet
 9 Plant department o. 5, consisting of a group of two-story brick structures, 240x90 feet, erected in 1947 and housing the following:
 a Electric mine foundry
 b Galvanizing baths
 c Main power switches
 d Two water mains, located next to the building
 10 Plant department o. 3, consisting of a three-story, 240x125-foot stone and concrete building, and a two-story annex building of 150x45 feet, housing the following:
 a Storage of acid vats (H_2SO_4), in the annex
 b Mixers
 c Mix tubs
 d Plant office
 e Mixers
 f Paths
 g Drying furnace
 h Compressors
 i Two compressed air flasks, located outside the building
 j Acid vats to plant department o. 1
 k Passage to plant department o. 1

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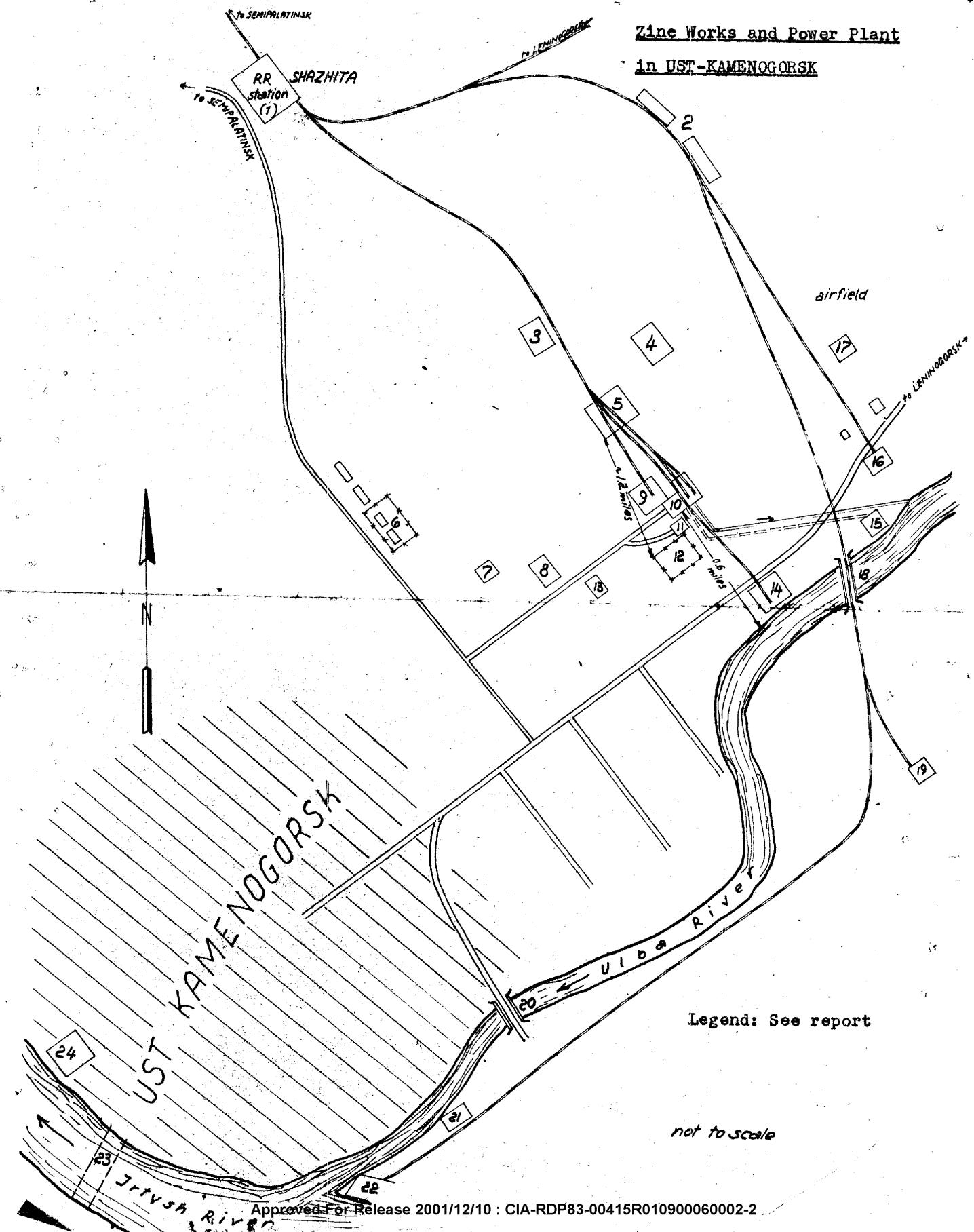
Annex # 3

13. Plant department "c. 1, southern part, 5-story concrete structure, 180x120 feet with:
- a Electric furnaces
 - b Offices and baths
 - c Tanks
 - d Hubs
 - e Conveyor installation to the northern part of the department, two-story building, 120x90 feet
 - f Conveyor facilities with railroad connection
 - g Lime ore storage
 - h Magazine, brick structure, 60x45 feet
 - i Ventilation, 55x30 feet, connected to item d by two pipes of 3 feet diameter
 - j Burner unit
 - k Smokestack, 300 feet high, 20 to 25 feet in diameter
14. Plant department "c. 4, part still under construction. Use or production of this department was not known to source. Department "c. 4 consisted of the following:
- a Eight steel containers, each 18 feet in diameter connected by pipes to nearby buildings (item c)
 - b Four steel containers, 18 feet high, 34 feet in diameter
 - c Two-story concrete and brick structure, 270x135 feet, completed in the fall of 1948. The floor of this building is 18 feet below ground level. Passage to building d, 120 feet long, 36 feet wide
 - d Two-story concrete and brick structure, 270x135 feet. Railroad tracks leading into the building. According to Soviet statements, the building will be used for the storage of coal or ore.
 - e Pumping station, two-story brick building, 60x45 feet
 - f Smokestack, 375 feet high, largest diameter 36 feet ferro-concrete structure
 - g One-story office building, 60x45 feet
 - h Two steel containers, 18 feet high and 34 feet in diameter, storage of oil intended, according to Soviet statements
15. Two-story brick building, 75x45 feet, garage
16. Wooden structure, 45x30 feet, concrete mixing machine
17. Heating plant, two-story brick building, 75x45 feet, smokestack 100 feet high
- B Power plant
- 1 Entrance and guardhouse
 - 2 Water shaft, brick structure, 45x50 feet
 - 3 Transformer station, two-story brick building, 140x155 feet, rest of it overhead power lines; necessary to item 4
 - 4 Five-story concrete and brick building, 140x100 feet, housing:
 - a Bath
 - b Offices
 - c Machine section, smokestack 150 feet high
 - d Turbine house, two turbines
 - e Furnace with traveling grate
 - f Elevator
 - g Coal grinding plant, 75x75 feet

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Annex # 3

- 5 Coal storage, roofed brick building, 120x90x18 feet
- 6 Installation consisting of: Two concrete oil storage tanks each 18 feet deep and 48 feet in diameter. ¹ Demo station is located between the oil tanks.
- 7 Transformer station, two-story brick building, 16x30 feet
- 8 Construction site of new Cawod II zinc works



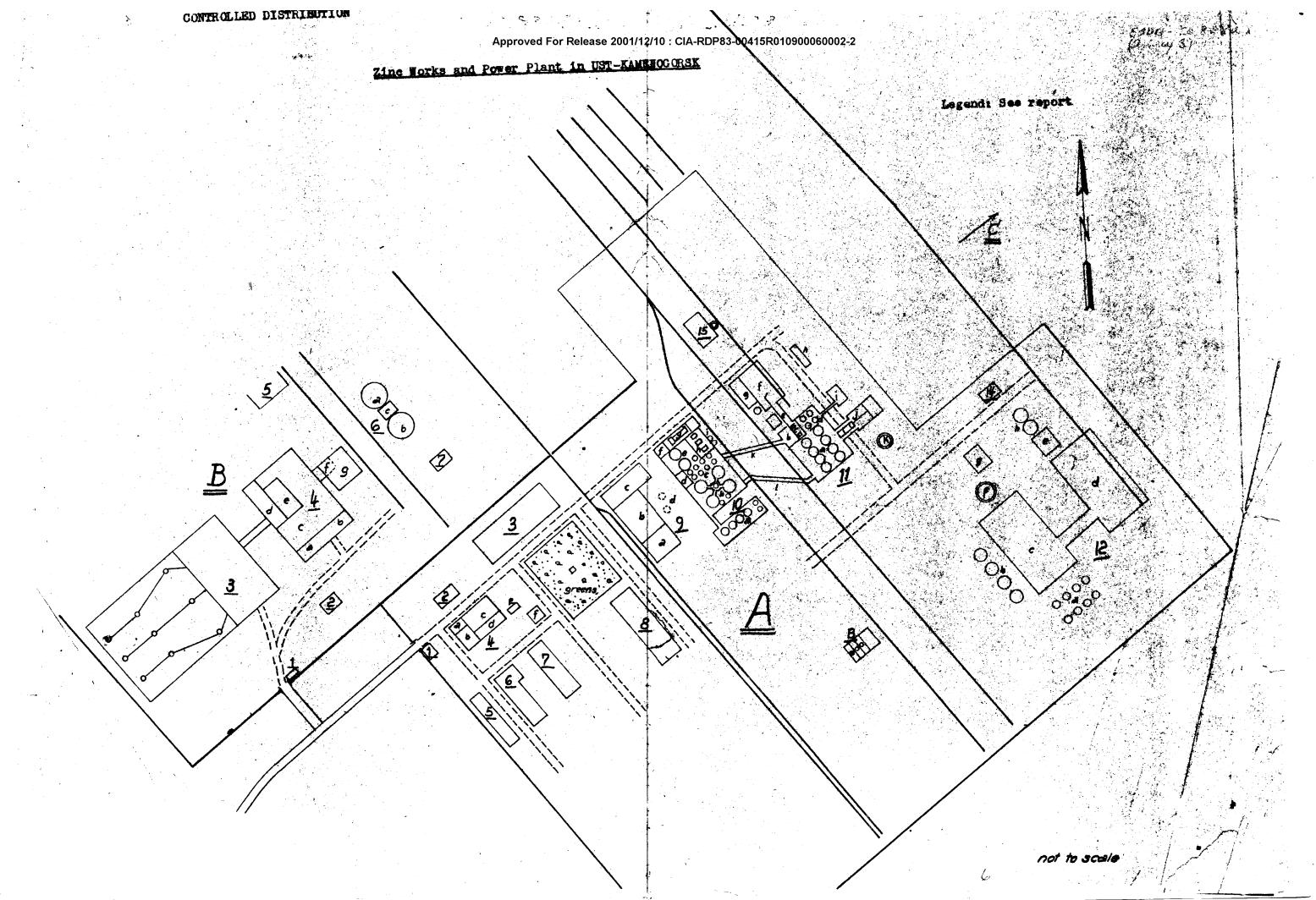
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Zinc Works and Power Plant in UST-KAMENOGORSK

Legend: See report



COUNTRY Soviet Union

REPORT NO.

TOPIC USH-KALMUGORSK Zinc Works and Power Plant

25X1A

25X1C

EVALUATION [REDACTED] Germany

APPENDIX 3

DATE OF CON

DATE OBTAINED

PARED 6 January 1959

REFERENCES

PAGES 5 ENCLOSURES (NO. & TYPE) 4 Blueprints

REMARKS

25X1X

SOURCE [REDACTED]

1. Locations: The Zavod 10 zinc works are located northeast of UST-KALMUGORSK ($82^{\circ}36' E / 49^{\circ}46' N$), East Kazakhstan, west of the Ulba River and about 6/10 of a mile southeast of the Tupek railroad switch yard. For location see Annex 1.

2. Plant installations: Zinc works and power plant cover an estimated area of 250 acres. The chief engineer said that plant construction was started in 1936. Four departments were completed by October 1948. The plant was being expanded. Operation of the new departments was delayed because of suspension of deliveries of machines from the United States.

The nearby power plant supplied electricity for the installation. For plant layout see Annex 2. In 1947 and 1948 Japanese PWs laid the foundation for a new zinc plant which will be located directly east of the plant reported on. This new plant will be called Zavod 11. The construction site for the new plant was larger than the area covered by Zavod 10. Soviets said that the plant will be equipped with machines from a zinc plant formerly located in MAGDEBURG. The machines were stored in the plant area east of the railroad tracks.

3. Employees:

a. Zinc works - about 2,000 workers, including 400 PWs, in three shifts.

b. Power plant: Three shifts of 450 workers, of whom 120 were PWs.

c. The number of laborers engaged in the construction of Zavod 11 was unknown.

REF ID: A6542
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25X1A



1. Production:

Production of zinc

- a. Zinc plant: Zinc bars.
- b. Department "ODNO 4": Differentials, cog wheels, parts for frames, brake shoes, plant and milling equipment.
- c. Power plant capacity was 16,000 kw.

25X1A

Comment:

- a. It is known from 1941 records that a zinc and lead plant was located in USR-KALINOGORSK and that this plant produced from 50 to 80 tons of lead per day. The zinc plant was not in operation at that time.
- b. An earlier report (June 1949), the first information on the plant received after the war, mentioned the zinc plant for the first time. Source of this information reported the exact location of the plant ^{but} was unable to furnish other details.
- c. The location of the plant as stated here corresponds with information in a previous report.
- d. Attached sketch of the plant layout illustrates the zinc plant layout and the construction site of the new plant.
- e. It is assumed that the machinery intended for Zavod 10 was dismantled in the Giesche Firm plant in MAGDEBURG. Several reports on the dismantling of this firm are on file.

2 Annexes: 1. Zinc Works and Power Plant in USR-KALINOGORSK.

2. Zinc Works and Power Plant in USR-KALINOGORSK.

Legend to Annex 1:

- 1 "SHAZITA" railroad station
- 2 repair shop and warehouses
- 3 Oil storage, at least ten sheet metal tanks, each 40 feet high and 25 feet in diameter
- 4 Two adjoining warehouses, each 300 feet long
- 5 Dupek railroad station
- 6 PW Camp No. 7045/I, with bakery and quarters for garras
- 7 Bath
- 8 "MSP" small metal plant
- 9 power plant
- 10 Zavod 10 Zinc Works
- 11 Garages and repair shops, erected 1947/1948
- 12 PW Camp No. 7045/II
- 13 Concrete mixing plant, manufacture of roofing slabs
- 14 Local storage of construction material of the Sib-Spec-Stroi (Siberian special construction company)
- 15 water works, brick building, underground connection to the power plant and to the zinc works

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Annex # 3

- 16 Gin factory
 17 Airfield with office building
 18 Railroad bridge over the Ulba River, steel structure, concrete pillars. The bridge is about 1,200 to 1,500 feet long
 19 Lard factory ("Fettfabrik")
 20 Road bridge over the Ulba River, wooden structure, about 600 feet long
 21 Prison
 22 Harbor (on the Irtush River), constructed from 1946 to 1947 with modern piers, 6/10 of a mile long, cranes, conveyor belts and corrugated sheet metal shops. Depth of water about 20 feet
 23 Ferry
 24 Slaughterhouse

Legend to Annex 2

- A Zavod 10 zinc works
 1 Brick guard house at entrance
 2 Electrical repair shop, 60x50 feet brick building
 3 Laboratory, 200x60 feet, completed in 1948
 4 Two-story brick and concrete structure, 140x90 feet, housing:
 a Offices
 b Hammer forge of Department "OStO 4" (OStO machine tool factory combine)
 c Lathe of Department "OStO 4"
 d Supply storage
 e Brick building, 36x15 feet, sheet metal cutting plant
 f Transformer station, 30x30 feet, brick building
 g Foundry, 180x45 feet, two-story brick structure
 h Holding plant for automobile spare parts, 120x45 feet
 i Model making carpenter shop, 180x34 feet
 j Warehouse, storage of zinc bars, two-story brick building, 200x80 feet
 k Plant department o. 5, consisting of a group of two-story brick structures, 240x90 feet, erected in 1947 and housing the following:
 a Electric zinc foundry
 b Galvanizing baths
 c Main power switches
 d Two water mains, located next to the building
 10 Plant department o. 2, consisting of a three-story 240x125-foot stone and concrete building, and a two-story annex building of 150x45 feet, housing the following:
 a Storage of acid vats (H_2SO_4), in the annex
 b Mixers
 c Mix tubes
 d Plant office
 e Mixers
 f Paths
 g Drying furnace
 h Compressors
 i Two compressed air flasks, located outside the building
 k Acid vats to plant department o. 1
 l Passage to plant department o. 1

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Annex # 3

11. Plant department No. 1, southern part, 5-story concrete structure, 180x120 feet with:
- a. Electric furnaces
 - b. Offices and baths
 - c. Stoves
 - d. Tubs
 - e. Conveyor installation to the northern part of the department, two-story building, 120x90 feet
 - f. Conveyor facilities with railroad connection
 - g. Fine ore storage
 - h. Magazine, brick structure, 60x45 feet
 - i. Ventilation, 55x30 feet, connected to item d by two pipes of 3 feet diameter
 - j. Burner unit
 - k. Smokestack, 300 feet high, 20 to 25 feet in diameter
- Plant department No. 4, part still under construction. Use or production of this department was not known to source. Department No. 4 consisted of the following:
- a. Eight steel containers, each 18 feet in diameter, connected by pipes to nearby buildings (item c)
 - b. Four steel containers, 18 feet high, 24 feet in diameter
 - c. Two-story concrete and brick structure, 270x156 feet, completed in the Fall of 1948. The floor of this building is 18 feet below ground level. Passage to building a, 120 feet long, 36 feet wide
 - d. Two-story concrete and brick structure, 270x156 feet, Railroad tracks leading into the building. According to Soviet statements, the building will be used for the storage of coal or ore.
 - e. Pumping station, two-story brick building, 30x45 feet
 - f. Smokestack, 375 feet high, largest diameter 36 feet ferro-concrete structure
 - g. One-story office building, 60x45 feet
 - h. Two steel containers, 18 feet high and 34 feet in diameter, storage of oil intended, according to Soviet statements
12. Two-story brick building, 75x45 feet, forge
13. Wooden structure, 45x30 feet, concrete mixing machines
14. Heating plant, two-story brick building, 75x45 feet, smokestack 100 feet high
- B. Power plant
- 1. Entrance and guardhouse
 - 2. Water shaft, brick structure, 45x30 feet
 - 3. Transformer station, two-story brick building, 340x155 feet, west of it overhead power line; passage to item 4
 - 4. Five-story concrete and brick building, 340x150 feet, housing:
 - a. Bath
 - b. Offices
 - c. Machine section, smokestack 150 feet high
 - d. Turbine house, two turbines
 - e. Furnace with traveling grate
 - f. Elevator
 - g. Coal grinding plant, 75x75 feet

EXCERPT CONTROLLED BY OFFICE OF DIA ONLY

Annex # 3

- 5 Coal storage, roofed brick building, 180x90x18 feet
6 Installation consisting of: Two concrete oil storage tanks,
each 18 feet deep and 42 feet in diameter. A pump
station is located between the oil tanks.
7 Transformer station, two-story brick building,
40x30 feet.
- C Construction site of new Navod II zinc works.

COUNTRY Soviet Union

REPORT NO.

TOPIC Combined Lead Plants in Leninogorsk

25X1A

25X1C

EVALUATION

Category

AREA 4

DATE OF CONTR

PREPARED 20 March 1960

DATE OBTAINED

REFERENCES

PAGES 5

ENCLOSURES (NO. & TYPE) 1 Blueprint

REMARKS

25X1X

SOURCE

*RETURN TO CIA LIBRARY*1. Location:

a. The lead processing plant of Leninogorsk ($50^{\circ}32'N$, $50^{\circ}22'E$), East Kazakhstan, is in the town center, grouped around a hill with several pits (mines).

2. Plant installations:

a. The plant covered an area of about 2.8×3.8 km, including the mines. Some parts of the plant were constructed before WW II, but most of the installations originated from the time between the two world wars.

(1) According to source, the following installations were constructed after WW II:

One electric steel furnace, one gas cleaning plant with a large brick smokestack. Source believed that the construction of the Altai mine installations was started during the war.

b. Railroad connection to a wide and a narrow-gauge railroad line was available. The narrow-gauge railroad line facilitated the timber shipments. The factory had its own power plant and transformer station.

For plant layout see Annex.

3. Work force:

An estimate of about 4,500 laborers for all plants of the combine.

4. Production:

Lead.

COPY OF ENCLOSURE IN LIBRARY

REF ID: A6572
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25X1A

*Annex #1***German**

- a. Source reported the location incorrectly. The combined plants are around a hill, northeast of the town, and not, as reported, in the town center. For exact location see a previous report * and the German plan of Leninogorsk (former Altagar).
- b. It is not thought that source remembered all details of the extensive combine or that he furnished a complete representation of the plant layout. However, the essential plant forms on attached sketch agree with previous information * and it can be assumed that the sketch closely approximates the facts. Sketch and legend give the most detailed description on layout and type of construction of the combined plants available at the present time. The Altai mine was not entered on the sketch. A previous source * recorded this location outside the area of the combined plants (see No 16 of the previous sketch *).
- c. The work force seems considerably underestimated by source. The plant employed about 25,000 laborers in 1941. The same work force can be assumed for the present time because of the many plant departments and buildings. Since none of the sources observed any important construction work, it is not believed that the work force was increased after the war.
- d. The picture of the combined plants seems to be sufficiently clarified. Future information will be of interest only if containing details on plant economies and new constructions.

1 Annex: Combined Lead Plants in Leninogorsk.

Legend to Annex I:

- 1 Steel furnace, red brick structure, 24 x 18 x 4.5 meters with sheet-metal roof and skylights, completed in 1941
- 2 Pipe installations with a total of about 20 pipes, 3.5 meters high and 90 cm in diameter. Purpose unknown
- 3 Dressing rooms and baths, grey stone structure, 45 x 9 x 3 meters with sheet-metal roof
- 4 Kitchen and messhall, new red brick structure, 36 x 31 x 6 meters with sheet-metal roof
- 5 White plastered building, 27 x 13.5 x 3.6 meters with sheet-metal roof, purpose unknown
- 6 Workshop, white stone structure, 18 x 18 x 3.6 meters with sheet metal roof

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- Annex 2A*
- 8 Smelting plant, grey stone structure, 36 x 18 x 4.5 meters with three or four sheet-metal smokestacks
 - 9 Ore-processing shop, 108 x 45 x 6 meters, grey stone structure with sheet-metal saddle roof, provided with railroad connection
 - 10 Tall building, 72 x 18 x 18 meters, with flat roof and superstructure of glass and sheet metal. This very remarkable building was still under construction in 1941.
 - 11 Electric gas-cleaning plant with two boilers, 10.5 meters high and 7.5 meters in diameter, resting on concrete bases; three pipes with a diameter of 90 cm lead from the boilers up to the roof of the tall building No. 10
 - 12 Brick smokestack, 10.5 meters in diameter, under construction; scheduled height 72 meters
 - 13 Building of the ZMM construction firm
 - 14 Kitchen
 - 15 Wooden storage shed, 36 x 13.5 x 3.6 meters
 - 16 Forge and boiler forge, 27 x 13.5 x 3.6 meters with saddle roof of sheet metal
 - 17 Office, workshop, and tools supply, stone structure, 36 x 30 x 3.6 meters
 - 18 Warehouse, wooden structure, 18 x 9 x 3 meters
(Buildings 14 through 19 belong to the Asmo 4 construction department)
 - 19 Storage shed, 22.5 x 9 x 3 meters
 - 20 Office, wooden structure, 22.5 x 9 x 3 meters
 - 21 Dwelling house, like No. 20 above
 - 22 and 23 Kitchen and messhall, wooden structure, 12.5 x 7.5 x 3 meters
 - 24 Sawmill
 - 25 White stone structure, 90 x 18 x 3.6 meters with saddle roof of sheet metal, housing the mechanical workshop, forge, boiler forge, locomotive repair shop, hardening shop, and milling shop
 - 26 Guard house and plant entrance
 - 27 Plant management and laboratory, grey stone structure, 50 x 22.5 x 13.5 meters

Annex #4

SECURITY/CONTROL IS OFFICIALS ONLY

- 39 Foundry, grey stone structure, 27 x 18 x 4.2 meters with sheet-metal saddle roof, equipped with several cupola furnaces
- 40 Core making section, 18 x 13.5 x 3.6 meters
- 41 Lower plant, white stone structure, 36 x 45 x 10.5 meters with two sheet-metal smokestacks more than 10 meters high and 90 cm in diameter
- 42 Switching house, grey concrete structure, 72 x 13 meters, with open-air transformer installation, 90 x 54 meters
- 43 Vacant stone building, 22.5 x 9 x 6 meters, used as dressing room by P.L.s
- 44 Compressor station, brightly plastered stone structure, 81 x 22.5 x 4.5 meters, with a saddle roof of sheet metal and three or four scoops on the roof
- 45 Red stone building with brick smokestack 45 x 11 x 3.5 meters, purpose unknown
- 46 Kitchen, wooden shed, 36 x 9 x 3 meters
- 47 Entrance to Sokolni Rudnik pit
- 48 Machinery of Sokolni Rudnik pit with steel structure elevator tower, 22.5 meters high
- 49 Two ore grinding machines and washing plant, grey concrete building, 81 x 36 x 22.5 meters, roofs are provided with skylights
- 50 Annex to No 39, drying plant, grey concrete structure, 36 x 13.5 x 7.5 meters with sheet-metal saddle roof
- 51 Bunker equipped with machines for rough-crushing G. 100 16 x 18 x 10.5 meters
- 52 Machine shop housing, winch and skip hoist
- 53 Top of mountain
- 54 Leninogorsk-Rudnik shaft with elevator tower, steel structure, 22.5 meters high
- 55 Shaft entrance to Leninogorsk-Rudnik shaft
- 56 Boiler house red brick building, 27 x 18 x 3.6 meters with saddle roof of sheet metal and brick smokestack 36 meters high. Steam generator for the ore drying plant for ground and washed ore

Annex #4

SECRET//CONTROL//US OFFICIALS ONLY

5

- 47 Plant entrance
- 48 Wooden shed with kitchen equipment
- 49 Wooden building with baths
- 50 Office, red stone structure with sheet-metal roof
- 51 Wooden construction building, dressing rooms
(Buildings No 48 through 51 belong to the Lanibogorsk
shaft)
- 52 Plant entrance
- 53 Plant entrance

COUNTRY: Soviet Union

REPORT NO.

25X1A

TOPIC: Frunze Plant No. 735 in Tashkent

25X1C

EVALUATION:

DATE OF CONTE

DATE OBTAINED:

D 5 May 1950

REFERENCES:

PAGES: 2 ENCLOSURES (NO. & TYPE): 2 Blueprints

REMARKS:

*RETURN TO CIA
LIBRARY*

25X1X

SOURCE:

1. Location:

The "Frunze No. 735" Plant for farm machines is in the Frunze town section of Tashkent ($69^{\circ}16' S / 41^{\circ}17' N$), Uzbek SSR, on the eastern town border.

2. Plant installations:

The plant covers about 1,000x500 m. Before the war the buildings housed a biscuit plant. The Krasni Aksai plant was transferred here from Dnepropetrovsk during the war. Air bombs were produced. The plant was converted to the production of farming machines in 1945. Power was supplied by the Legovat Power Plant. A railroad connection is available. The buildings are in good condition. The roads leading to the plant are bad. For plant layout see Annex 1. For sketch of the foundry see Annex 2.

3. Work force:

Three thousand Soviet civilians and 350 Poles working in three shifts until November 1948. After December 1948 work was done in two shifts.

4. Production:

Cotton harvesting machines, monthly output 1,300 machines; spray guns against parasites, monthly output 600 to 700.

COPY OF ENCLOSURE IN LIBRARY

Annex 6

annex # 6

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- 2 -

25X1A

[REDACTED] Comment:

- a. The report confirms previous information¹ which reported the designation Frunze for the first time. It clarifies that it is a new plant which has been installed in the buildings of a former biscuit factory (according to a previous source, a chocolate factory). It was erroneously assumed before that the former Selmash plant was concerned. The designation Selmash was known from wartime records but the exact location was never determined.
- b. More details on the location were reported by a previous source². The exact plant location is immediately west of the railroad line which leaves the eastern border of Tashkent in a northern direction.
- c. The plant layout (Annex 1) essentially corresponds to the one of the previous source and is considered to be correct. It is the most detailed information thus far received on the plant layout and size and type of construction of the various plant buildings.
- d. Output is reported for the first time.
- e. The plant for farming machines, which was reported under the name of Goroshilov **, must be a different plant also located in the eastern section of Tashkent. The Goroshilov plant also manufactures cotton harvesting machines according to a report in Pravda of 15 August 1949. A clear survey on location and layout of that plant is not available.

2 Annexes: Blueprints, Frunze plant No. 735 in Tashkent.

CONFIDENTIAL//COMINT//~~REF ID: A6521~~ OFFICIAL ONLY

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Annex #6

- 1 -

Legend to Annex 1:

- 1 brick building, 60x8x5 m
 - a Guard house
 - b Office
 - c Garage
- 2 Club house, 40x10x5 m, brick building
- 3 Food storage bunker
- 4 Department I.o. 6, final assembly of mowing machines, iron structure with brickwork, 70x20x10 m
- 5 workshop under construction, 60x20 m
- 6 New workshop, 60x20x10 m, iron structure building with brickwork, production unknown
- 7 Iron structure building with brickwork, 150x20x15 m
 - a Lathe shop, manufacture of single parts for spray guns
 - b Final assembly of spray guns
 - c Passage
- 8 Building with unknown purpose
- 9 Lathe shop, iron structure building with brickwork, 50x20x15 m three stories, manufacture of cogwheels, the third floor houses:
 - a drilling shop
 - a annex with kitchen, 25x15x5 m
 - b Plant department I.o. 9, iron structure building with brickwork, 60x20x8 m, carpenter shop for harvesting equipment
- 10 Storage shed
- 11 Loading ramp and shed, wooden structure
- 12 Timber dump
- 13 Coal dump

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Annex #6

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- 2 -

- 14 Department No. 14, repair carpentry
- 15 Construction administration
- 16 Clay catins, stables and worker's apartments
- 17 Drop forge, 15 m high, crushing of scrap
- 18 Oil and gasoline dump, two oil tanks, each 200 cu.m. capacity, eight oil tanks, each 50 to 100 cu.m. capacity, partially underground, four gasoline tanks each 20 cu.m. capacity, above surface.
- 19 Horse-drawn railroad for coal and material shipments
- 20 Lathing installation
- 21 Loading ramp for finished machines
- 22 Boiler house, brick building, 50x25x16 m, coal-fueled, two vertical boilers, one brick smokesack, 45 m high, and an electric carbide roasting installation
- 23 Department No. 8, foundry, for details see Annex 2, dimensions: 150x36x15 m
- 24 P.W. Camp No. 7386/11
- 25 Compressor station, brick building, 20x10x.8 m
- 26 Department No. 3, forge, iron structure building with brick walls, 150x35x15 m, equipped with four coal-fueled annealing furnaces, manufacture of wheels, seats, and small parts
- 27 Electrical repair shop, iron structure building with brick walls, 70x20x10 m
- 28 Scrap dump
- 29 Transformer station

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Annex # 6

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-- furnaces

ventillators

- 4 Sand-mixing machines
- 5 noises
- 6 bronze furnaces
- 7 Trolleys of a 1,500-ton crane
- 8 Conveyor belt for heavy molds
- 9 Molding shop for light parts
- 10 Sand-grinding mills
- 11 Storage with cores
- 12 Milling machines for castings
- 13 Cleansing drums for large parts
- 14 Core drying furnaces
- 15 Milling machines for malleable cast iron parts
- 16 sand blasting
- 17 Four malleable cast furnaces
- 18 cleansing drums for small parts
- 19 Magazine with finished products
- 20 dye
- 21 Dressing shop of sand for cores
- 22 repair fitting shop
- 23 office
- 24 Gas generator
- 25 Hall entrance

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INTELLIGEN~~CE~~²⁸ Soviet Union

REPORT NO.

TOPIC Voroshilov Machine Factory No 702 in Tashkent

25X1C

25X1A

EVALUATION

DEFINED Germany

ANNEX 7

DATE OF CONTEM

DATE OBTAINED

TE PREPARED 2 May 1950

REFERENCES

PAGES #5 ENCLOSURES (NO. & TYPE) 3 Blueprints

REMARKS

25X1X

SOURCE~~S~~1. Location

The voroshilov machine factory is on the northeastern outskirts of Tashkent ($69^{\circ}16' E / 41^{\circ}17' N$), Uzbek SSR, northeast of the railroad station and north of a grain mill and a large silo installation. (See Annex 1).

2. Plant Layout

a. According to a soviet foreman the first installations of this factory were constructed in 1924 and 1925. At that time it was a small factory; since the war it has been extended. A railroad spur track is available. (See Annex 2).

b. Electricity was supplied from a power plant in the town.

3. Work force

Three thousand workers, including 250 PWS, who worked in three shifts.

4. Production

Monthly rates:

- 60 cotton cutting machines (?)
- 50 mechanical cotton pickers with tractors
- 250 cotton cleaning machines
- 300 spiral conveyors
- mortars.

Annex #7

5. Location

The Voroshilov machine factory is in the western part of the town, east of the freight station. About 300 meters southwest of the factory is a large grain silo, which serves as a landmark (see Annex 3).

6. Plant Layout

The factory area is about 1,000x300 meters. Most of the buildings are of red brick. Source recalled the following factory departments:

Factory department 1, experimental department, production of new machines

Factory department 2, machine and lathe shop

Factory department 3, foundry, about 120x80x25 meters, with two high smokestacks, two steel-casting furnaces and four pig iron casting furnaces

Factory department 4, repair department for machine tools

Factory department 5, forge and plate department with three heavy drop hammers

Factory department 6, repair work

Factory department 7, wood pattern shop

Factory department 8, small lathe shop, new-equipped in the spring of 1949

Factory department 9 through 11, unknown

Factory department 12, assembly of cutting machines

Factory department 13, grinding and polishing shop

Factory department 14, lathe shop

Factory department 15, where only persons holding a Social Identity card were admitted; allegedly a new agricultural machine was constructed there.

Factory department 16, pattern department

Factory department 17, nickelizing and chromium-plating shop.

25X1A

[REDACTED] comment:

- a. A previous report * on the Voroshilov factory is not in accordance to the present information except for the fairly similar location sketch.

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Page

Annex #7

b. From the annexed location sketches by the two sources it is evident that the drawn location must approximately be in accordance to the actual conditions. The data furnished on those factory departments which were known to one source, differs in some points from the layout sketch (Annex 2) but these differences may result from errors in observation.

c. In order to determine the target location, further information, especially on the size of the individual factory buildings, is needed.

- Annexes: (1) Location Sketch }
 } of Voroshilov Machine
 (2) Layout Sketch } Factory No 702 in Tashkent
 (3) Voroshilov Machine Factory No 702 in Tashkent

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NY3

(4)

1/Annex 2

Annex # 7

Legend to Annex 2

1. Foundry and smeltery with
 - a two open-hearth furnaces
 - b 7 cupola furnaces

the foundry is newly installed.
2. Transformer station
3. Pneumatic shop with four compressors
4. Boilerhouse with four Cornwall boilers
5. Platform
6. Hammering department and forge with numerous pneumatic hammers and presses and
 - a fire brigade
7. Kitchen and PX for supervisors
8. Mortar shop, modern construction, off limits to PWs
9. Administration building, three stories, also design office
 - a entrance
10. Oil storage
11. Workshop with
 - a factory department 6, construction of component parts, with four annealing furnaces
 - b factory department 8, machine shop with lathes and grinding machines
 - c factory department 4, repair department
12. Workshop with
 - a factory department 1, with 40 head drilling machines
 - b factory department 14, with numerous lathes, milling, planing, and grinding machines
 - c factory department 12, polishing shop
 - d factory department 13, assembly of cotton-loom machines

(5)

Annex # 7

13. Factory department 2, constructed between December 1948 and April 1949, southern attachment not completed. Production of machine parts of every type.
14. Wood yard
15. Scrap yard
16. Workshop with
 - a Garage
 - b Galvanizing plant

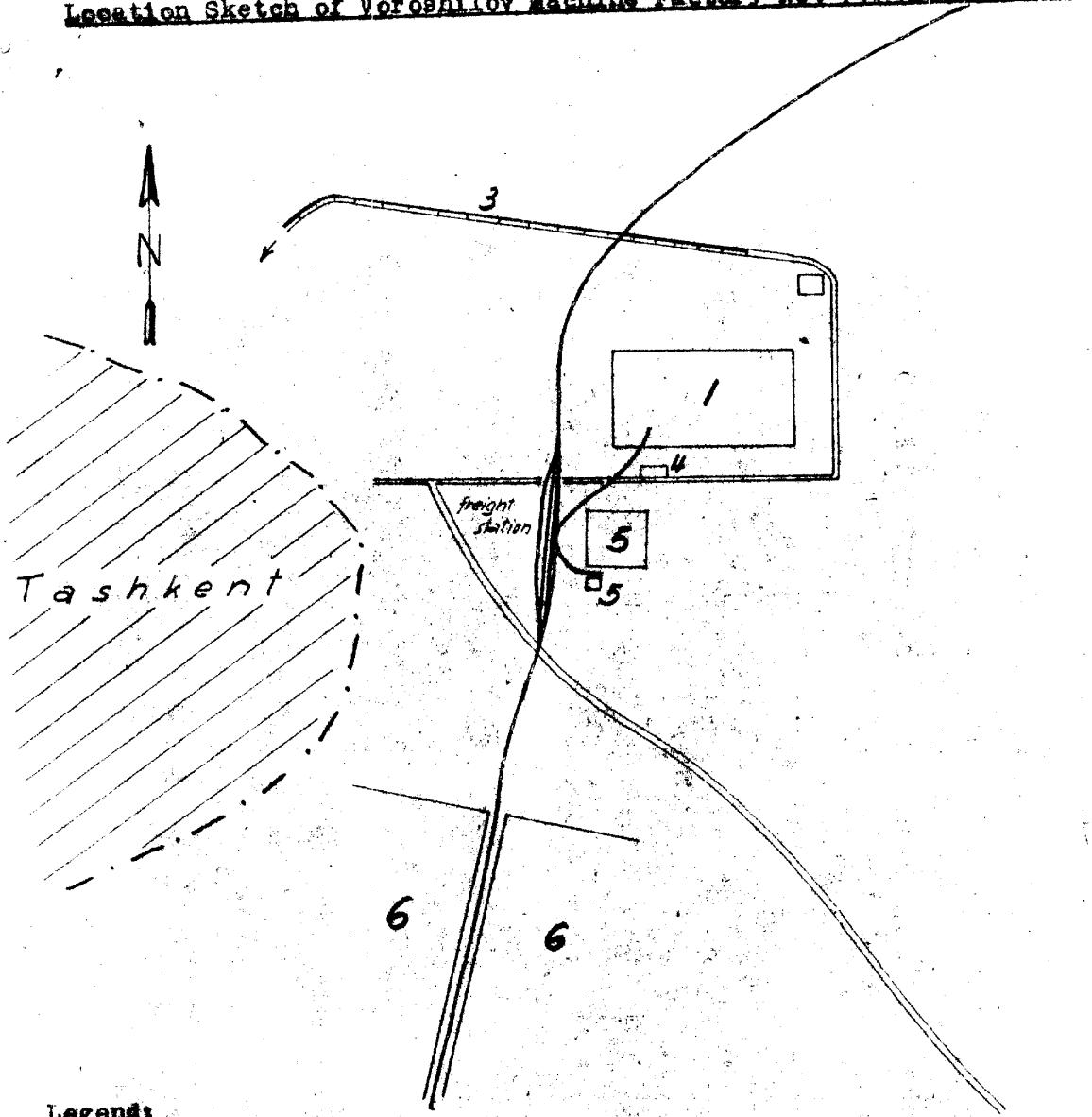
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Location Sketch of Voroshilov Machine Factory No. 702 in Tashkent

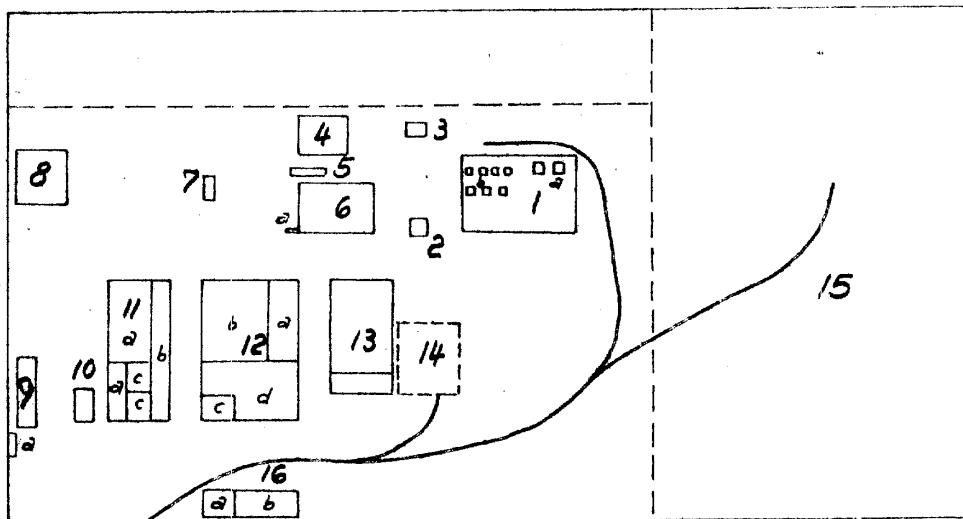


Legend:

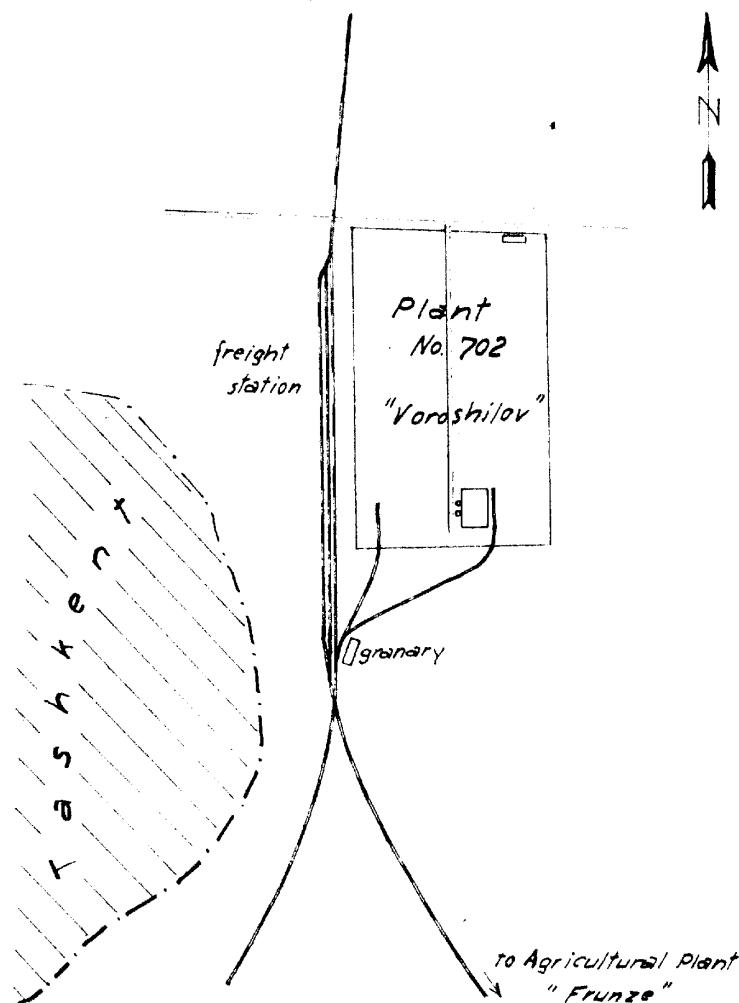
- 1 Voroshilov machine factory No. 702 scale 1:50,000
2 PW Camp 7386/6
3 Street with street car
4 Grain mill
5 Grain silos with characteristic features,
about 40 silos, each 12x12x25 meters,
and 13 silos, each 6x6x12 meters
6 Airfield on both sides of the street

Layout Sketch of Voroshilov Machine Factory No. 702in Tashkent

Legend: See report



scale 1:10,000

Voroshilov Machine Factory No. 702 in Tashkent

scale 1:20,000

COUNTRY Soviet Union

REPORT N

TOPIC Factory for mining machines in Karaganda

25X1C

25X1A

EVALUATION [REDACTED] Germany

DATE OF CON [REDACTED]

DATE OBTAINED [REDACTED] ED 4 April 1950 ANNEX-8

REFERENCES [REDACTED]

PAGES 2 ENCLOSURES (NO. & TYPE) 1 sketch on ditto

REMARKS [REDACTED]

25X1X

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SOURCE [REDACTED]

1. Location:

The Parchomenko Machine Factory is about 1½ km southeast of the railroad station of Karaganda (73°06' S/49°52' N) Kasakh SSR, Karaganda Oblast, beside the experimental laboratory of mine No. 1, between the old town section and the new town section.

2. Plant installations:

Soviets stated that the plant, transferred here during the war, had first been installed in an insufficient number of buildings. With the buildings improved and some buildings constructed after the war, the foundry, assembly and tool departments moved into new buildings. The plant covers an area of about 800 meters square. Power is supplied from outside. A railroad connection is available or plant layout see Annex.

3. Work force:

About 2,000 laborers working in three shifts.

4. Production:

Various types of iron frames for support of tunnels and mines, dump cars, coal cleaning machines, shaking troughs, lifts for materials and persons, pumping installations, hauling towers, shafts and cogwheels, and new type suction machines for mining loose coal.

25X1A Comment:

a. The same plant location was entered on an old town map of Karaganda (see Annex I.e. 2 of a previous report*).

b. The attached sketch and a previous sketch agree on the northern and southern part of the plant, as to location and type of the various workshops, whereas the shapes of the buildings are reported differently, the attached sketch giving fewer buildings in the western part than the previous sketch*. Both reports agree on the adjoining area of mine No. 1, northwest of the plant.

- 2 -

Annex #8

c. Additional information is required to obtain a clear picture on the plant layout and the size and type of construction of the plant buildings.

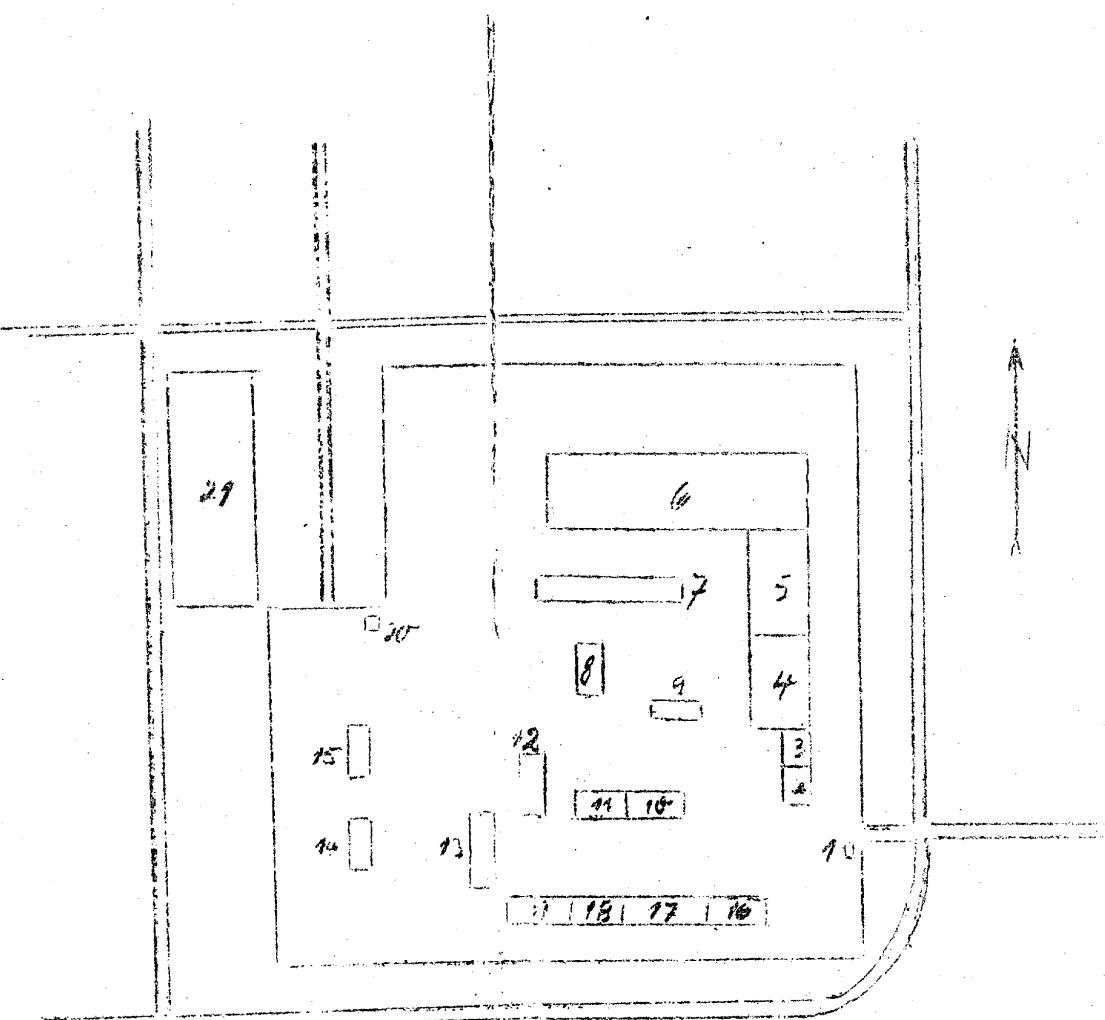
1 Annex: Blueprint, factory for mining machines in Karaganda.

Legend of annex:

- 1 Entrance and guard house
- 2 Hardening shop, about 12 meters square
- 3 Forge, 12 x 12 meters equipped with two heavy and two light hammers
- 4 Mechanical department for small parts 45 x 25 meters
- 5 Mechanical department for large parts, 46 x 25 meters, equipped with planing machine and other metal processing tools
- 6 New stone building, 120 x 25 meters, so-called "C.K" three stories, metal and iron constructing department, the second floor houses offices and the third floor a designing office
- 7 Laboratory of mine no. 1, 65 x 20 meters, testing laboratory for mining machines and implements
- 8 New boiler house, 40 x 25 x 25 meters with four steam boile
- 9 Plant laboratory, 15 x 10 meters
- 10 Model-making carpenter shop, 25 x 10 meters
- 11 Fire department with one fire truck
- 12 Electric repair shop, 25 x 10 meters
- 13 Stores with all types of tools, 40 x 10 meters
- 14 Garage
- 15 Horse stables for 20 horses
- 16 Tool shop, 50 x 18 meters
- 17 Electric repair shop, 25 x 10 meters
- 18 Cast polishing shop, 25 x 15 meters
- 19 Foundry, 50 x 25 meters with electric furnaces
- 20 Guard house
- 21 Building of mine no. 1
- 22 Railroad connection

Factory for Mining Machines in Karaganda

Plan # 8



Legend: See report

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